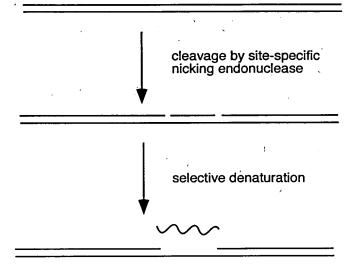
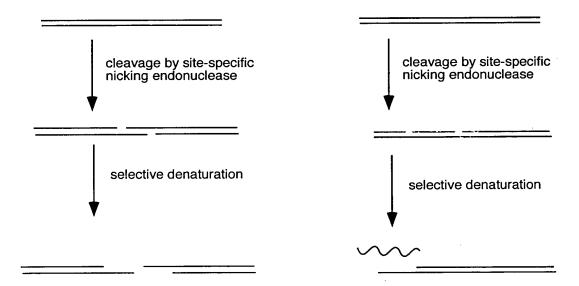
### A. Gap Formation

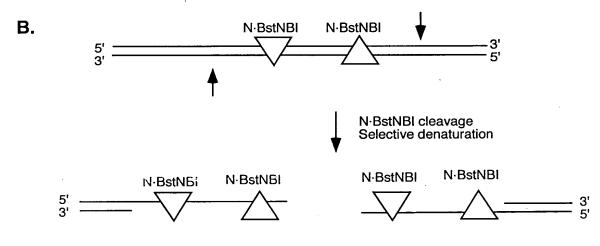


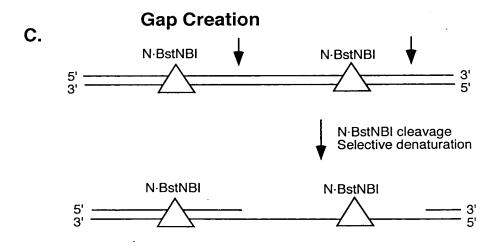
### B. Cohesive Termini Formation



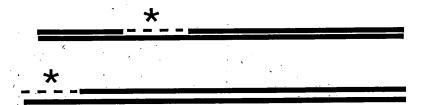
# A. Creation of 5' Cohesive Ends N-BstNBI N-BstNBI N-BstNBI N-BstNBI N-BstNBI N-BstNBI N-BstNBI N-BstNBI S' N-BstNBI

### **Creation of 3' Cohesive Ends**

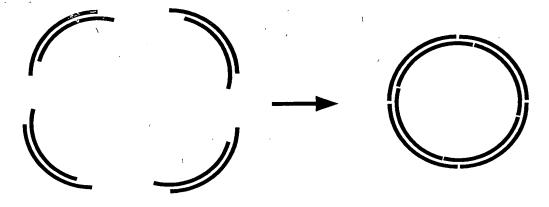




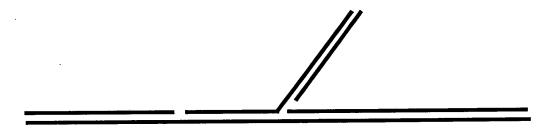
## A. Detection



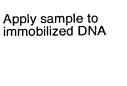
# B. Assembly



### C. Branched Structures



# D. Purification





Wash non-specific DNA from column



Elute desired DNA by selective denaturation



FIG. 3

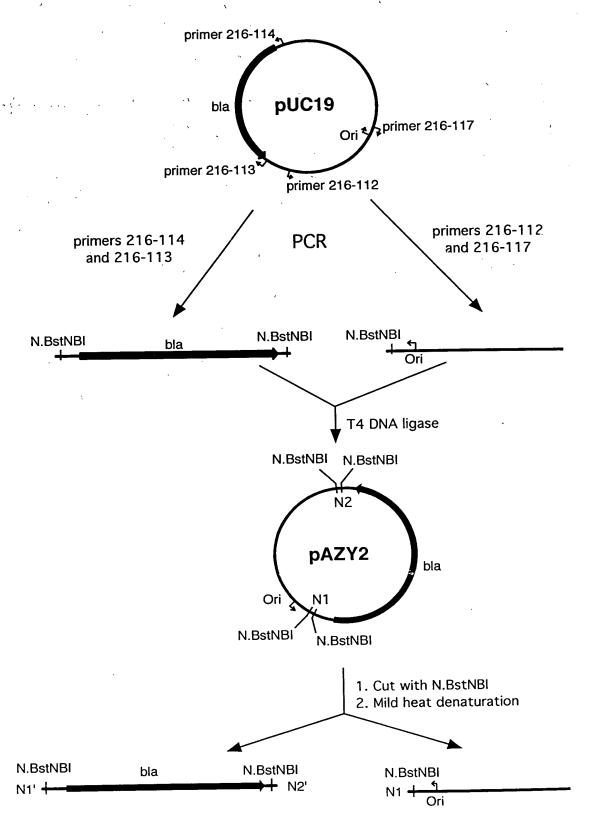


FIG. 4

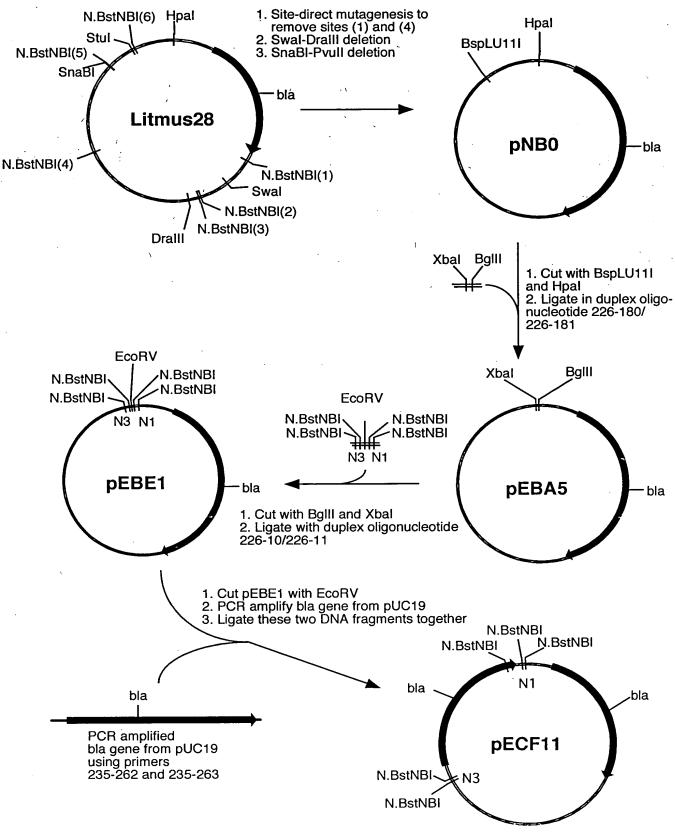


FIG. 5

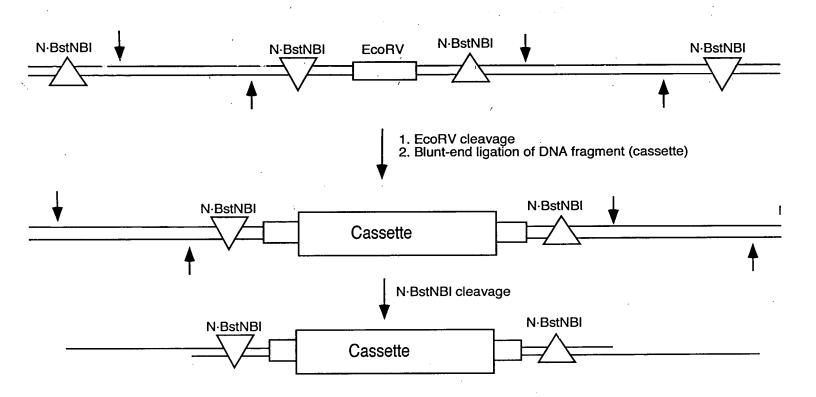


FIG. 7

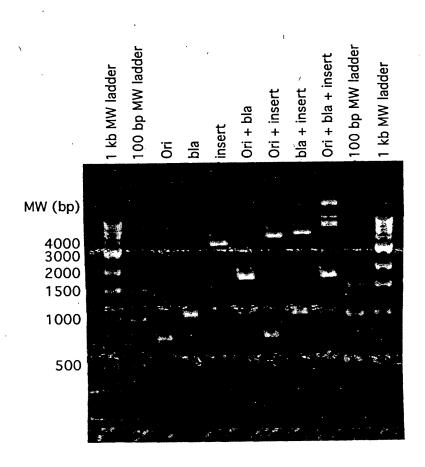


FIG. 8

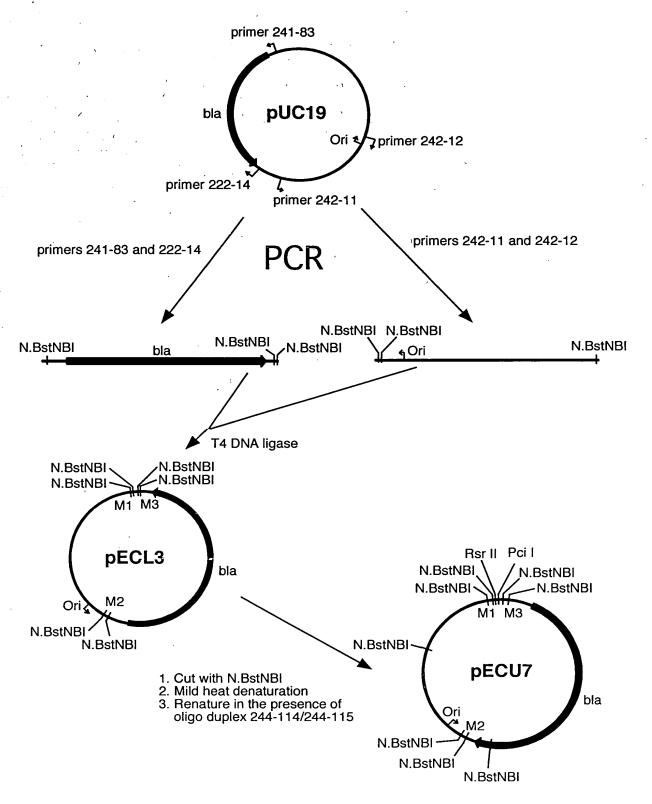


FIG. 9

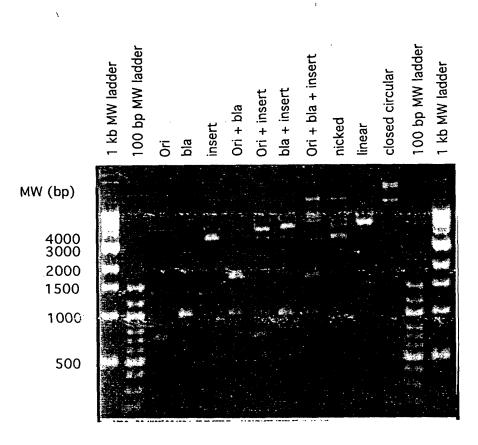


FIG. 10